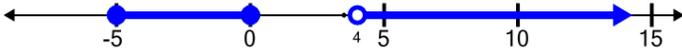


Function Domain/Range Definition - Number Line to Set Builder (With Union)

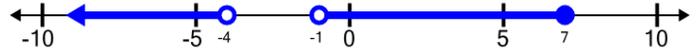
1 Which set describes the range on this number line?



A $\{Y \in \mathbb{R} \mid -5 \leq Y \leq 0 \text{ or } 4 < Y\}$

B $\{Y \in \mathbb{R} \mid -5 < Y < 0 \text{ or } -4 < Y < 4\}$

2 Which set describes the range on this number line?



A $\{Y \in \mathbb{R} \mid Y < -4 \text{ or } -1 < Y \leq 7\}$

B $\{Y \in \mathbb{R} \mid -4 < Y < 4 \text{ or } -1 < Y\}$

3 Which set describes the range on this number line?



A $\{Y \in \mathbb{R} \mid -7 < Y < 7 \text{ or } -9 < Y < 9\}$

B $\{Y \in \mathbb{R} \mid Y < 7 \text{ or } 9 < Y\}$

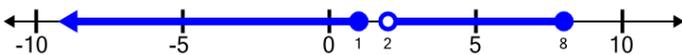
4 Which set describes the range on this number line?



A $\{Y \in \mathbb{R} \mid -6 < Y \leq 6 \text{ or } 7 \leq Y\}$

B $\{Y \in \mathbb{R} \mid -6 \leq Y < 6 \text{ or } 7 \leq Y\}$

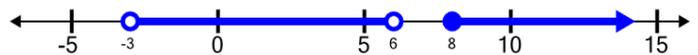
5 Which set describes the domain on this number line?



A $\{X \in \mathbb{R} \mid X < 1 \text{ or } 2 \leq X\}$

B $\{X \in \mathbb{R} \mid X \leq 1 \text{ or } 2 < X \leq 8\}$

6 Which set describes the range on this number line?



A $\{Y \in \mathbb{R} \mid -3 < Y < 6 \text{ or } 8 \leq Y\}$

B $\{Y \in \mathbb{R} \mid -3 \leq Y \leq 6 \text{ or } 8 < Y\}$

7 Which set describes the range on this number line?



A $\{Y \in \mathbb{R} \mid Y < 7 \text{ or } -10 \leq Y \leq 10\}$

B $\{Y \in \mathbb{R} \mid Y < 7 \text{ or } 10 < Y < 10\}$

8 Which set describes the range on this number line?



A $\{Y \in \mathbb{R} \mid -3 < Y < 3 \text{ or } 7 < Y \leq 10\}$

B $\{Y \in \mathbb{R} \mid Y < 3 \text{ or } 7 \leq Y \leq 10\}$